

MUHAMMAD ZOHAIB

Aspiring Data Scientist

zohaib.mzg158@gmail.com | +92 3457627926
Lahore, 54770 PB

PROFESSIONAL SUMMARY

Aspiring Data Scientist with a strong foundation in **Python** and **C++**, backed by hands-on experience in building data-driven applications. Demonstrated expertise in **object-oriented programming (OOP)** and **data structures** through academic projects and by ranking in the **top 20** in the ACM Speed Programming competition. Proven ability to translate theoretical knowledge into practical solutions, such as developing a solar panel application and social network simulation. Eager to apply analytical and technical skills to solve real-world data challenges.

WEBSITES, PORTFOLIOS, PROFILES

- [linkedin.com/in/muhammad-zohaib-74777a351](https://www.linkedin.com/in/muhammad-zohaib-74777a351)

SKILLS

Object-Oriented Programming [C++]



Python Programming



HTML/CSS



Microsoft Word



Data Structures & Algorithms [C++]



Problem-Solving



Microsoft Excel



EXPERIENCE

Social Network | C++ Console Application | FAST NUCES - Lahore, Punjab

- Developed a console-based social media application simulating user profiles, friend connections, and news feeds. 03/2025 - 06/2025
- Applied core **OOP concepts** including **inheritance** for different user types, **encapsulation** for data security, and **polymorphism** for dynamic content display.
- Designed and implemented **data structures** (arrays/vectors) to efficiently manage user data and connections.
- **Technologies:** C++, OOP (Inheritance, Polymorphism, Encapsulation)

Solar System | C++ Console Application | FAST NUCES - Lahore, Punjab

- Engineered a C++ application to calculate solar panel requirements and ROI for homeowners based on their electricity consumption and local weather data. 11/2024 - 02/2025
- Implemented **object-oriented programming (OOP)** principles to create modular classes for solar panels, calculations, and user input.
- Utilized **file handling** to save and load user data, enhancing user experience.
- **Technologies:** C++, OOP (Classes, Objects), File I/O

EDUCATION

FAST NUCES Lahore - Lahore, Punjab

Expected in 07/2028

Bachelor of Science: Data Science

- **Core Courses:** Data Structures & Algorithms, Object-Oriented Programming (C++), Multivariate Calculus, Probability and Statistics, Python
- **Honors:** Achieved a top 20 rank in the ACM Speed Programming Contest (2024).
- **CGPA:** 3.22

Kips College - Lahore, Punjab

10/2024

Intermediate (HSSC): Computer Science

- **Core Subjects:** Computer Science (C Programming), Physics, Mathematics.
- Built foundation in programming logic and analytical problem-solving.
- **Grade:** 89.9% [A+]

Jauhar Foundation High School - Lahore, Punjab

08/2022

Matric (SSC): Computer Science

- **Core Subjects:** Physics, Mathematics, Chemistry, Computer Science
- Launched foundational journey in programming and computational thinking.
- **Grade:** 95.5% [A+]

LANGUAGES

English

Urdu

Professional Working

Native or Bilingual